IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Abram Katz et al. Art Unit :
Serial No. : Examiner :
Filed : June 25, 2003
Title : METHODS FOR IDENTIFYING GLUCOSE UPTAKE MODULATORS

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

## INFORMATION DISCLOSURE STATEMENT

Applicants submit the references listed on the attached form PTO-1449, copies of which are enclosed. A copy of a communication from a foreign patent office in a counterpart application is also enclosed. The Communication is dated February 17, 2003.

This statement is being filed with the application. Please apply any charges or credits to Deposit Account No. 06-1050, referencing Attorney Docket No. 13425-115001.

Respectfully submitted,

Date: June 25, 2003

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| Substitute Form PTO-1449 (Modified) | U.S. Department of Commerce Patent and Trademark Office | Attorney's Docket No. 13425-115001 | Application No. |
|---|---|---|---|
| **Information Disclosure Statement by Applicant** (Use several sheets if necessary) (37 CFR §1.98(b)) | | Applicant Abram Katz et al. | |
| | | Filing Date June 25, 2003 | Group Art Unit |

| U.S. Patent Documents | | | | | | | |
|---|---|---|---|---|---|---|---|
| Examiner Initial | Desig. ID | Document Number | Publication Date | Patentee | Class | Subclass | Filing Date If Appropriate |

| Foreign Patent Documents or Published Foreign Patent Applications | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Examiner Initial | Desig. ID | Document Number | Publication Date | Country or Patent Office | Class | Subclass | Translation Yes | Translation No |
| | AA | WO 98/08979 | 5 March 1998 | WIPO | | | | |
| | AB | WO 00/40614 | 13 July 2000 | WIPO | | | | |

| Other Documents (include Author, Title, Date, and Place of Publication) | | |
|---|---|---|
| Examiner Initial | Desig. ID | Document |
| | AC | Brozinik et al., "1-[*N*,*O*-Bis-(5-isoquinolinesulphonyl)-*N*-methyl-L-Tyrosyl]-4-phenylpiperazine (KN-62), an Inhibitor of Calcium-Dependent Camodulin Protein Kinase II, Inhibits Both Insulin- and Hypoxia-Stimulated Glucose Transport in Skeletal Muscle" *Biochemical Journal* 339: Part 3; 533-540 (1999) |
| | AD | Bruton et al., "Insulin Increases Near-Membrane but not Global $CA^{2+}$ in Isolated Skeletal Muscle" *Proc. Natl. Acad. Sci. USA* 96: 3281-3286 (1999) |
| | AE | Bruton et al., "The role of $Ca^{2+}$ and Calmodulin in Insulin Signalling in Mammalian Skeletal Muscle" *Acta Physiol. Scand.* 171: 259-265 (2001) |
| | AF | Cheung et al., "Cytosolic Free Calcium Concentration and Glucose Transport in Isolated Cardiac Myocytes" *The American Physiological Society* 252: 163-172 (1987) |
| | AG | Clausen, "The Role of Calcium in the Activation of the Glucose Transport System" *Cell Calcium* 1: 311-325 (1980) |
| | AH | Draznin et al., "The Existence of an Optimal Range of Cytosolic Free Calcium for Insulin-Stimulated Glucose Transport in Rat Adipocytes" *The Journal of Biological Chemistry* 262: 14385-14388 (1987) |
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| | AJ | Klip et al., "Cytoplasmic $Ca^{2+}$ During Differentiation of 3T3-L1 Adiocytes" *The Journal of Biological Chemistry* 262: 9141-9146 (1987) |
| | AK | Kurebayashi et al., "Depletion of $Ca^{2+}$ in the Sarcoplasmic Reticulum Stimulates $Ca^{2+}$ Entry into Mouse Skeletal Muscle Fibres" *Journal of Physiology* 533: 185-199 (2001) |
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| | AN | Ryder et al., "Intracellular Mechanisms Underlying Increases in Glucose Uptake in Response to Insulin or Exercise in Skeletal Muscle" *Acta Physiol. Scand.* 171: 249-257 (2001) |
| | AO | Shashkin et al., "Effects of CGS 9343B (a Putative Calmodulin Antagonist) on Isolated Skeletal Muscle" *The Journal of Biological Chemistry* 270: 25613-25618 (1995) |
| | AP | Whitehead et al., "The Role of $Ca^{2+}$ in Insulin-Stimulated Glucose Transport in 3T3-L1 Cells" *The Journal of Biological Chemistry* 276: 27816-27824 (2001) |

| Examiner Signature | Date Considered |
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| EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | |

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| Other Documents (include Author, Title, Date, and Place of Publication) | | |
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| | AQ | Youn et al., "Interactions Between Effects of W-7, Insulin, and Hypoxia on Glucose Transport in Skeletal Muscle" *The American Journal of Physiology* 267: R888-R894 (1994) |

| Examiner Signature | Date Considered |
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